

## INTERNATIONAL COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP04017	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/KR2004/000729</b>	International filing date (day/month/year) <b>30 MARCH 2004 (30.03.2004)</b>	(Earliest) Priority Date (day/month/year) 21 JULY 2003 (21.07.2003)	

Applicant

**OPTOMECHA CO., LTD. et al**

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box No. II)

3.  Unity of invention is lacking (See Box No. III)

## 4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

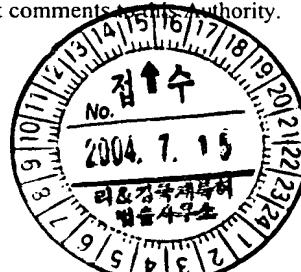
a. the figure of the drawings to be published with the abstract is Figure No. 12

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

b.  none of the figure is to be published with the abstract.



## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01L 27/146, H01L 31/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H01L 27/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKIPAS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 08-43605 A (RICOH OPT IND CO. LTD) 16. FEBRUARY. 1996, See the whole document	1,8-10, 12-17
X	US 6033766 B (AERIAL IMAGING CORP) 7. MAR. 2000 See the whole document	1,8-10, 12-17
A	JP 2003-15275 A (KEIO GI JUKU) 15. JANUARY. 2003 See the whole document	1-18

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

08 JULY 2004 (08.07.2004)

Date of mailing of the international search report

08 JULY 2004 (08.07.2004)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office  
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/000729

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 08-43605 A	16-02-1996	NONE	
US 6033766 A	07-03-2000	EP 0914629 A1 JP 2000-514933 T US 5998066 A WO 9852101 A1	12-05-1999 07-11-2000 07-12-1999 19-11-1999
JP 2003-15275 A	15-01-2003	NONE	

## PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

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 Lee & Kim  
 5th Fl. New-Seoul Bldg., 828-8  
 Yoksam-dong, Kangnam-ku  
 Seoul 135-935  
 Republic of Korea

Date of mailing (day/month/year) 20 April 2004 (20.04.2004)	
Applicant's or agent's file reference FP04017	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/KR2004/000729	International filing date (day/month/year) 30 March 2004 (30.03.2004)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 21 July 2003 (21.07.2003)
Applicant OPTOMECHA CO. LTD. et al	

1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
3. (If applicable) An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
21 July 2003 (21.07.2003)	10-2003-0049859	KR	14 April 2004 (14.04.2004)

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